Application No. Applicant(s) PTO-1449 10/769,221 Joseph A. Zupanick Information (%) **Docket Number** Group Art Unit Filing Date Citation 067083.0214 January 30, 2004 in an Application **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE NAME CLASS SUBCLASS FILING DATE A 2002/0074120 06/20/2002 Scott 166 313 12/15/2000 2002/0074122 06/20/2002 Kelly et al. 166 313 05/16/2001 C. 2002/0050358 05/02/2002 Algeroy 166 313 09/27/2001 D.. 2003/0075334 04/24/2003 Haugen et al. 166 313 09/16/2002 E. 2003/0062198 04/03/2003 Gardes 175 6i 09/30/2002 2003/0106686 06/12/2003 Ingle et al. 166 245 12/06/2001 G. 2003/0066686 04/10/2003 175 57 Conn 10/04/2002 PAP 3/22/07 H. 2001/0096336 175 11/01/2001 Zupanick 161 02/20/2001 2002/0189801 12/19/2002 I. Zupanick 166 50 07/01/2002 2002/0108746 04/15/2002 08/15/2002 50 Zupanick 166 2002/0117297 08/29/2002 Zupanick 166 50 04/15/2002 2004/0007389 01/15/2004 175 L Zupanick 61 07/12/2002 M, 2004/0007390 01/15/2004 175 61 07/12/2002 Zupanick N. 0. Q. R. S. Ŧ. Ū. V. FOREIGN PATENT DOCUMENTS DOCUMENT NO. TRANSLATION DATE COUNTRY CLASS SUBCLASS YES NO NON-PATENT DOCUMENTS DOCUMENT (including Author, Title, Source, and Pertinent Pages) DATE **EXAMINER** Dans EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformatica and not considered. Include copy of this form with next communication to the applicant.

Application No. Applicant(s) PTO-1449 10/769,221 Joseph A. Zupanick Information Disclosus **Docket Number** Group Art Unit Filing Date Citation 067083.0214 January 30, 2004 in artemption **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE NAME CLASS SUBCLASS FILING DATE 6,598,686 07/29/2003 Zupanick 01/24/2001 175 62 04/15/2002 В. 6,604,580 08/12/2003 166 245 Zupanick C. 6,604,910 08/12/2003 417 36 04/24/2001 Zupanick 08/19/2003 38 05/17/2001 6,607,042 Hoyer et al. 175 D. 06/25/2000 10/21/2003 Winnacker 340 854.3 E. 6,636,159 6,639,210 10/28/2003 Odom et al. 250 269.6 03/14/2001 01/19/2002 11/11/2003 338 G. 6,646,411 441 Thompson et al. 324 12/28/2001 H. 6,653,839 11/25/2003 Yuratich et al. 324 355 01/03/2001 T. 6,662,870 12/16/2003 Zupanick 166 245 50 06/07/2002 12/30/2003 6,668,918 Zupanick 166 J. K. 01/20/2004 166 50 09/26/2002 6,679,322 Zupanick 10/19/2001 Ī. 6,681,855 01/27/2004 Zupanick 166 50 50 06/07/2002 M. 02/10/2004 166 6,688,388 Zupanick О. P. Q. R. S. T. Ū. V. **FOREIGN PATENT DOCUMENTS** DOCUMENT NO. TRANSLATION DATE COUNTRY CLASS SUBCLASS YES NO NON-PATENT DOCUMENTS DOCUMENT (Including Author, Title, Source, and Pertinent Pages) DATE EXAMINER Dan EXAMINER: Initial if of thion considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

[(S)	•••			▼.			Page 1 of 1	
(PTO	0 8 8 0-1449	~) 			Application No. Applicant(s) 10/769,221 Joseph A. Zu		panick			
	~	in an Application				Docket Number 067083.0214		Filing Date January 30, 2004		4	
U.S. PATENT DOCUMENTS											
	$\frac{1}{\sqrt{1}}$	T	DOCUMENT NO.	DATE		NAME		SUBCLA	SS FIL	FILING DATE	
	坎	A	1,488,106	03/25/1924		tzpatrick	CLASS N/A	N/A	02/0	05/1923	
		В	4,333,539 06 82	-06/08/1992	Lyons	et al.	175	61	12/3	31/1979	
١	+	0419		05/02/1995	LeBlar	nc et al.	166	265	08/0	08/06/1993	
	+	D			McCoy et al.		166	105.5 05/12/19		12/1995	
	\dashv	E	5,775,433			ett et al.	166	98	04/0	03/1996	
ı	\dashv	F			Stewar	nt	166	105.5	07/3	07/31/1998	
	M	₩ G	6,357,530	03/19/2002		dy et al.	166	369	09/2	27/1999	
1	O'A a latavitate										
				. (FOREIGN PAT	ENT DOCUM	ENTS				
	_								TRANSLATION		
	\mathcal{X}	<u> </u>	DOCUMENT NO. SU-1448078-A1	03/25/1987	Russia CO	UNTRY	CLASS E21F	SUB 5/00-F 7/00	YE		
"	<u>\}</u>	¥ <u>~</u>			-	ussia		7/00	- X		
	1	↓	SU-1770570-A1	03/30/1990				45/00	$\frac{1}{x}$		
		J	SU-750108	06/26/1975	Russia		E21C				
		K	WO 98/35133	08/13/1998	PCT			27/24	X		
		L	WO 01/44620	06/21/2001	PCT		E21B	43/38	X		
	П	M	GB 2 255 033	10/28/1992	Great Britain		B04B	11/02	×		
	1	N	CA 2 278 735	01/13/1998	Canada		E21C	21/24	Х		
0	J	10	CH 653 741	01/15/1986	Germany		E21B	43/24		X	
	NON-PATENT DOCUMENTS										
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)							DATE		
0		N 9	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed February 9, 2004 (6 pages) re International Application No. PCT/US 03/28138.						09/09/20	03	
`	1	9	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed February 27, 2004 (9 pages) re International Application No. PCT/US 03/30126.								
	1	R	Fletcher, "Anadarko Cuts Gas Route Under Canadian River Gorge," Oil and Gas Journal, pp. 28-30							January 25, 2004	
	\square	S	Translation of selected pages of Kalinin, et al., "Drilling Inclined and Horizontal Well Bores," Nedra Publishers, Moscow, 1997, 15 pages						1997		
0		W / Translation of selected pages of Arens, V.Zh., "Well-Drilling Recovery of Minerals," 1986									
\	Geotechnology, Nedra Publishers, Moscow, 7 pages, 1986 EXAMINER DATE CONSIDERED								····		
	,	~~vm		_		1		- ^ / -	7		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. Patent and Trademark Office